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ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
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NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-DM-PMC-2014-15 **Date:** 04.06.2014

Aggregate Impact Value
IS: 2386 Part IV

Client	**Executive Engineer,** Rajarajeswari Nagara Division, BBMP, Bangalore.
Agency	**Sri Damodar & CO,** Contractor, Bangalore.
Name of the Work	Providing and Laying HDPE Water Line in VR Layout in J P Park, Ward No 17
Reference	EE/RRND/Wo.No/227/2013-14 Dated: 06.02.2014
Type of Mix	Wet Mix macadam
Date of Testing	04.06.2014

Sl No.	Details	Trial No. 1	Trial No. 2	Trial No. 3	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	370	372	374	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	88	84	83	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	282	288	291	
4	Aggregate Impact value = percent fines $100^* (W_2/W_1)\%$	23.78	22.58	22.19	22.85

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory
→ The results indicated above are based on the tests carried out on the samples received in the laboratory
→ Any Query regarding the report must be reported within 15 days from the date of testing.

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Job No.: CECTC-DM-PMC-2014-15 Date : 04.06.2014

GRADATION FOR WMM
MORTH TABLE-400-11

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency : **Sri Damodar & CO,** Contractor, Bangalore.
Name of Work : Providing and Laying HDPE Water Line in VR Layout in J P Park, Ward No 17
Reference : EE/RRND/Wo.No/227/2013-14 Dated: 06.02.2014

Date of Testing : 04.06.2014
Material Type : Wet Mix Macadam

Oven Dry.Wt 10699

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	345	345	3.2	96.8	95-100
22.4	2798	3143	29.4	70.6	60-80
11.2	2232	5375	50.2	49.8	40-60
4.75	1865	7240	67.7	32.3	25-40
2.36	1252	8492	79.4	20.6	15-30
0.600	1036	9528	89.1	10.9	8-22
0.075	841	10369	96.9	3.1	0-8

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Job No.: CECTC-DM-PMC-2014-15 Date : 04.06.2014

GRADATION FOR WMM
MORTH TABLE-400-11

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency : **Sri Damodar & CO,** Contractor, Bangalore.
Name of Work : Providing and Laying HDPE Water Line in VR Layout in J P Park, Ward No 17
Reference : EE/RRND/Wo.No/227/2013-14 Dated: 06.02.2014
Date of Testing : 04.06.2014
Material Type : Wet Mix Macadam

Oven Dry.Wt 10953

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	340	340	3.1	96.9	95-100
22.4	2894	3234	29.5	70.5	60-80
11.2	2184	5418	49.5	50.5	40-60
4.75	1954	7372	67.3	32.7	25-40
2.36	1387	8759	80.0	20.0	15-30
0.600	1024	9783	89.3	10.7	8-22
0.075	840	10623	97.0	3.0	0-8

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Job No.: CECTC-DM-PMC-2014-15 Date : 04.06.2014

ATTERBERG LIMITS TEST FOR WMM
MORTH TABLE-400-11

Client : **Executive Engineer,** Rajarajeswari Nagara Division, BBMP, Bangalore.
Agency : **Sri Damodar & CO,** Contractor, Bangalore.
Name of Work : Providing and Laying HDPE Water Line in VR Layout in J P Park, Ward No 17
Reference : EE/RRND/Wo.No/227/2013-14 Dated: 06.02.2014
Date of Testing : 04.06.2014
Material Type : Wet Mix Macadam

As per MORTH Table 400-13

Sl. No.	Particulars	Test Results	Standards as per Specifications
1	Liquid Limit	22.45	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

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Job No.: CECTC-DM-PMC-2014-15 Date : 04.06.2014

ATTERBERG LIMITS TEST FOR WMM
MORTH TABLE-400-11

Client : **Executive Engineer,** Rajarajeswari Nagara Division, BBMP, Bangalore.
Agency : **Sri Damodar & CO,** Contractor, Bangalore.
Name of Work : Providing and Laying HDPE Water Line in VR Layout in J P Park, Ward No 17
Reference : EE/RRND/Wo.No/227/2013-14 Dated: 06.02.2014
Date of Testing : 04.06.2014
Material Type : Wet Mix Macadam

As per MORTH Table 400-13

Sl. No.	Particulars	Test Results	Standards as per Specifications
1	Liquid Limit	23.00	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

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